

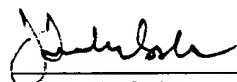
MATSUMOTO et al.  
Appln. No. 09/828,861  
Preliminary Amendment

**REMARKS**

Claims 37 and 38 have been amended to correct clerical errors. The public should be advised that the present Preliminary Amendment is not considered or intended to be a narrowing amendment surrendering any equivalents. Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,

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**APPENDIX**

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

**The claims are amended as follows:**

37. A ~~portable radio system~~frequency error predicting method employing an automatic frequency control for detecting a frequency shift of an internal oscillator of portable radio equipment with reference to a received wave transmitted from a base station having higher precision of frequency and adjusting the frequency of said internal oscillator by feeding back said frequency shift to said internal oscillator, comprising of steps of:

calculating a phase difference of two symbols taken from a known data modulated by said base station on the basis of a timing generated by said internal oscillator;

calculating a frequency shift of said internal oscillator by dividing said phase difference derived by said calculating step by an interval of said two symbols; and

controlling for widening said interval when said phase difference derived by said phase difference calculating step is smaller than a predetermined set value and for narrowing said interval when said phase difference is greater than said set value.

38. A ~~portable radio system~~frequency error predicting method as set forth in claim 37, wherein said two symbols are the same phase when a frequency of said internal oscillator is correct, and

said phase difference calculating step derives a phase difference of said two symbols by multiplying one of said two symbols by a complex conjugate of another symbol.